

WHAT IS CLAIMED IS:

1. A wrench, comprising:

a shank;

a handle slidably mounted on the shank; and

at least one resistance member mounted between the shank and the handle to provide a resistance to damp movement of the handle.

2. The wrench in accordance with claim 1, wherein the shank has an end provided with a drive head.

3. The wrench in accordance with claim 2, wherein when a force is applied on the handle to rotate the shank about the drive head, the force produces an axial component force which drives the handle to move relative to the shank, so that the resistance member is compressed, and the handle is moved on the shank to a determined position.

4. The wrench in accordance with claim 1, wherein the shank is provided with an indication portion having a plurality of size indication marks to indicate safety parameters of motion of the handle during movement of the handle.

5. The wrench in accordance with claim 1, wherein the shank is formed with an elongated receiving slot to receive the resistance member.

6. The wrench in accordance with claim 5, wherein the shank is provided with an indication portion located adjacent to the receiving slot of the shank.

1 7. The wrench in accordance with claim 5, wherein the resistance
2 member has a top portion and a bottom portion each protruded outward from
3 the receiving slot of the shank and each locked in the handle.

4 8. The wrench in accordance with claim 7, wherein the handle is
5 formed with two semi-circular receiving grooves to receive the top portion and
6 the bottom portion of the resistance member respectively.

7 9. The wrench in accordance with claim 8, wherein each of the
8 receiving grooves of the handle has two closed ends each provided with a
9 resting portion to retain an end of the resistance member.

10 10. The wrench in accordance with claim 1, wherein the shank has
11 two ends each provided with a protruding stop mark to limit movement of the
12 handle.

13 11. The wrench in accordance with claim 10, wherein each of the two
14 ends of the shank is formed with a positioning hole for positioning the
15 respective stop mark.

16 12. The wrench in accordance with claim 1, further comprising a
17 support member mounted in the resistance member and extended through the
18 shank to prevent deformation the resistance member when being compressed,
19 and a locking member mounted on a distal end of the shank to lock the support
20 member.

21 13. The wrench in accordance with claim 5, wherein the receiving
22 slot of the shank has a length smaller than that of the indication portion,

1 thereby preventing the receiving slot from being exposed outward during
2 movement of the handle.

3 14. The wrench in accordance with claim 1, wherein the shank is
4 formed with two opposite semi-circular receiving channels, the handle is
5 formed with two opposite semi-circular receiving grooves, and the wrench
6 comprises two resistance members each mounted between a respective one of
7 the two receiving channels of the shank and a respective one of the two
8 receiving grooves of the handle.

9 15. The wrench in accordance with claim 1, wherein the handle is
10 formed with two opposite semi-circular receiving grooves, the shank is formed
11 with a protruding resting portion extending into the two receiving grooves of
12 the handle, and the wrench comprises two resistance members each mounted
13 in a respective one of the two receiving grooves of the handle and each urged
14 on the resting portion of the shank.

15 16. The wrench in accordance with claim 1, wherein the handle is
16 formed with two opposite semi-circular receiving grooves, the shank is formed
17 with a protruding resting portion extending into the two receiving grooves of
18 the handle, and the resistance members is mounted in the receiving grooves of
19 the handle and urged on the resting portion of the shank.

20 17. The wrench in accordance with claim 5, wherein the receiving
21 slot of the shank has two ends each formed with a recessed locking portion,
22 and the wrench further comprises a support member mounted in the resistance

1 member and having two ends each locked in the locking portion of the
2 receiving slot of the shank by a locking member.

3 18. The wrench in accordance with claim 17, wherein the handle is
4 formed with two opposite semi-circular receiving grooves each having a
5 closed end and an opened end, and the closed end is provided with a resting
6 portion to retain an end of the resistance member.